

Abstract of the Disclosure

A pneumatic apparatus for actuating a secondary device (such as a high-pressure valve) useful in applications, such as opening the valve of an air-powered projectile-launching device, including, but not limited to, a housing with one gas reservoir situated in a manner that will perform work when charged with gas pressure, a spring to bias the ram position in one direction against the work to be preformed, one air input port in the air reservoir, a quick evacuation valve (QEV) in communication with the port in the reservoir to allow air to flow into the air reservoir and then out again through the same path without resistance, and a means by which to return the ram to the start position using external air pressure exhausted from the secondary device (such as a pressure valve).